Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/11/2019 11:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124603	-1	1.52	124695	1.52
Blue	F	SSC	125000	124192	-1	2.80	124931	2.82
Blue	E	FITC	16694	16312	-3	3.38	380	21.77
Blue	D	PE	32792	32316	-2	2.48	713	16.33
Blue	B	PerCP-Cy5-5	44451	44392	-1	4.39	1213	23.08
Blue	A	PE-Cy7	33645	34357	2	6.88	619	48.82
Red	C	APC	47008	46783	-1	2.87	1806	13.46
Red	A	APC-Cy7	32298	31975	-2	2.78	804	13.99
Violet	B	V450	8961	8719	-3	4.45	483	15.03
Violet	A	V500	32726	31977	-3	4.20	769	11.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20310	4.32	609	-4	N/A	N/A	Pass
Blue	F	SSC	56390	2.16	577	9	N/A	N/A	Pass
Blue	E	FITC	63	74.13	565	2	0.0160	186	Pass
Blue	D	PE	142	56.78	569	3	0.1256	264	Pass
Blue	B	PerCP-Cy5-5	225	57.71	674	3	0.0074	96	Pass
Blue	A	PE-Cy7	120	124.17	732	6	0.0088	32	Pass
Red	C	APC	412	28.60	612	-1	0.0187	105	Pass
Red	A	APC-Cy7	197	31.31	584	-1	0.0046	866	Pass
Violet	B	V450	72	70.71	482	-4	0.0380	2043	Pass
Violet	A	V500	109	42.36	492	-4	0.0191	1393	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.29	-31.86	1.11
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.54	13.60 - 20.40	N/A	N/A	29.01	29.46	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 14483

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments